

(19)



JAPANESE PATENT OFFICE

## PATENT ABSTRACTS OF JAPAN

(11) Publication number: **09001332 A**(43) Date of publication of application: **07.01.97**

(51) Int. Cl.

**B23K 9/12****B23K 9/12****B23K 9/09**(21) Application number: **07149090**(71) Applicant: **TOYOTA MOTOR CORP**(22) Date of filing: **15.06.95**(72) Inventor: **MATSUI HITOSHI****(54) CONSUMABLE WIRE TYPE PULSE ARC WELDING MACHINE****(57) Abstract:**

**PURPOSE:** To provide a consumable wire type pulse arc welding machine capable of stabilizing the arc length between the wire tip part and a work, and favorable to improve the welding quality.

**CONSTITUTION:** A wire tip part A1 in a pulsatingly feeding device 30 is held by feeding resistance pieces 320, 321 while a wire A is fed at the constant speed by a feeding roller 14, and the speed of the wire tip part A1 is reduced by the friction. The wire tip part A1 is deflected, and the wire is accumulated in the pulsatingly feeding device 30. When the feeding resistance pieces 320, 321 are returned to the original position, the deflection of the wire tip part A1 is released, and the wire tip part A1 is pulsatingly fed toward a work 11. The pulsating feeding is achieved in a synchronous manner with or at the prescribed phase difference to the pulse current.

COPYRIGHT: (C)1997,JPO

